

1. A telecommunications system, comprising:
an Ethernet-type local area network; and
one or more telecommunications devices coupled to said Ethernet-type local network, said one or more telecommunications devices including:
an Internet Protocol voice communication stack;
a Quality of Service Ethernet layer; and
a Generate Quality of Service Ethernet layer interposed between said Internet Protocol voice communication stack and said Quality of Service Ethernet layer and adapted to intercept a second byte in an IP header, identify from said second byte a quality of service required for individual calls, and generate corresponding Quality of Service commands to said Quality of Service Ethernet layer.

2. A telecommunications system in accordance with claim 1, said second byte comprising a Type of Service byte.

3. A telecommunications system in accordance with claim 1, said second byte comprising a Differentiated Service byte.

4. A telecommunications system in accordance with claim 2, wherein said Quality of Service Ethernet layer and said Generate Quality of Service Ethernet layer are modular.

5. A telecommunications system in accordance with claim 3, wherein said Quality of Service Ethernet layer and said Generate Quality of Service Ethernet layer are modular.

6. A telecommunications device adapted to be coupled to an Ethernet-local area network, comprising:

- an Internet Protocol voice communication stack;

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2. *[Handwritten signature]*
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1 12. A method, comprising:
2 beginning an IP multimedia call;
3 encapsulating corresponding messages for said IP multimedia call in IP
4 protocol data packets;

7 network
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9 said
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11 layer

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2 of service byte.

- 1 17. A system according to claim 15, said second byte comprising a differentiated
- 2 service byte.

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